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AMENDMENTS TO THE CLAIMS

- 1. (currently amended) A polyethylene moulding composition with multimodal molecular mass distribution, which has a density in the range of from 0.950 to 0.958 g/cm³ at 23 °C and, an MFR_{190/5} in the range of from 0.30 to 0.50 dg/min, and which comprises from 40 to 50 % by weight of a low-molecular-mass ethylene homopolymer A[[,]]; from 25 to 35 % by weight of a high-molecular-mass copolymer B made from ethylene and from anothera first 1-olefin comonomer having from 4 to 8 carbon atoms[[,]]; and from 24 to 28 % by weight of an ultrahigh-molecular-mass ethylene copolymer C containing a second 1-olefin comonomer, wherein all of the percentage data are based on the total weight of the moulding composition.
- 2. (currently amended) AThe polyethylene composition as claimed in claim 1, wherein the first 1-olefin comonomer is present in an amounthigh molecular-mass copolymer B contains small proportions of from 0.2 to 0.5 % by weight-of co-monomer having from 4 to 8 carbon atoms, based on the weight of copolymer B, and wherein the ultrahigh molecular-mass ethylene copolymer C contains an amount in the rangethe second 1-olefin comonomer is present in an amount from 1 to 2 % by weight-of comonomers, based on the weight of copolymer C.
- 3. (currently amended) A<u>The</u> polyethylene composition as claimed in claim 1-or 2, which, as co-monomer, contains wherein the first 1-olefin and second 1-olefin comonomers are independently selected from 1-butene, 1-pentene, 1-hexene, 1-octene, 4-methyl-1-pentene, or a mixture of these.
- 4. (currently amended) A<u>The</u> polyethylene composition as claimed in one or more of claims 1 to 3claim 1, which has a viscosity number VN_{tot} of from 330 to 380 cm³/g, preferably from 340 to 370 cm³/g, measured to ISO/R 1191 in decalin at 135 °C.
- 5. (currently amended) A<u>The</u> polyethylene composition as claimed in one or more of claims 1 to 4claim 1, which has a swell ratio in the range of from 130 to 145 %, and a notched

impact strength (ISO) in the range of from 14 to 17 kJ/m^2 , and a stress-crack resistance (FNCT) in the range of from 150 to 220 h.

- 6. (currently amended) A process for producing a polyethylene composition with multimodal molecular mass distribution, which has a density in the range of from 0.950 to 0.958 g/cm³ at 23 °C, an MFR_{190/5} in the range of from 0.30 to 0.50 dg/min, and which comprises from 40 to 50 % by weight of a low-molecular-mass ethylene homopolymer A; from 25 to 35 % by weight of a high-molecular-mass copolymer B made from ethylene and a first 1-olefin comonomer having from 4 to 8 carbon atoms; and from 24 to 28 % by weight of an ultrahigh-molecular-mass ethylene copolymer C containing a second 1-olefin comonomer, wherein all of the percentage data are based on the total weight of the moulding composition, as claimed in one or more of claims 1 to 5, in which wherein the monomers are polymerized in suspension at a temperature in the range of from 20 to 120 °C, at a pressure in the range of from 0.15 to 1 MPa, and in the presence of a high-mileage Ziegler catalyst composed of a transition metal compound and of an organoaluminum compound, which comprises the process comprising conducting polymerization in three stages, where the molecular mass of the polyethylene prepared in each stage is regulated with the aid of hydrogen, thereby forming a hydrogen concentration in each stage.
- 7. (currently amended) A<u>The</u> process as claimed in claim 6, wherein the hydrogen concentration in the first polymerization stage is adjusted so that thea viscosity number VN₁ of the low-molecular-mass polyethyleneethylene homopolymer A is in the range from 60 to 80 cm³/g.
- 8. (currently amended) A<u>The</u> process as claimed in claim 6-or 7, wherein the hydrogen concentration in the second polymerization stage is adjusted so that thea viscosity number VN₂ of thea mixture of polymer A and polymer B is in the range from 160 to 200 cm³/g.
- 9. (currently amended) A<u>The</u> process as claimed in any of claims 6 to 8claim 6, wherein the hydrogen concentration in the third polymerization stage is adjusted so that thea viscosity

- number VN₃ of thea mixture of polymer A, polymer B, and polymer C is in the range of from 330 to 380 cm³/g, in particular of from 340 to 370 cm³/g.
- 10. (currently amended) The use A process for producing a canister having a capacity in a range from 2 to 20 dm³ (1) from of a polyethylene composition with multimodal molecular mass distribution, which has a density in the range of from 0.950 to 0.958 g/cm³ at 23 °C, an MFR_{190/5} in the range of from 0.30 to 0.50 dg/min, and which comprises from 40 to 50 % by weight of a low-molecular-mass ethylene homopolymer A; from 25 to 35 % by weight of a high-molecular-mass copolymer B made from ethylene and a first 1-olefin comonomer having from 4 to 8 carbon atoms; and from 24 to 28 % by weight of an ultrahigh-molecular-mass ethylene copolymer C containing a second 1-olefin comonomer, wherein all of the percentage data are based on the total weight of the moulding compositionas claimed in one or more of claims 1 to 5 for producing canisters with a capacity in the range from 2 to 20 dm³ (1), where the polyethylene composition is first plasticized, the process comprising:
 - (a) plasticizing the polyethylene composition in an extruder in the range from 200 to 250 °C; and is then extruded
 - (b) extruding the product of step (a) through a die into a mould; where it is first blown up and then cooled and solidified
 - (c) blowing up the product of step (b) in a blow molding apparatus, thereby forming the canister; and
 - (d) solidifying the canister by cooling.
- 11. (new) <u>The</u> polyethylene composition as claimed in claim 4 wherein the viscosity number VN_{tot} is from 340 to 370 cm³/g
- 12. (new) The process as claimed in claim 9, wherein the viscosity number VN₃ of the mixture of polymer A, polymer B, and polymer C is in the range of from 340 to 370 cm³/g.